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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

5

Application Number	09/614,407
Filing Date	July 12, 2002
First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK
Submission Date	April 29, 2004

MAY 03 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
BIM	A1	US-2,742,413	04/17/1956	Cransberg, et al.	
	A2	US-2,882,209	04/14/1959	Brown	
	A3	US-3,627,661	02/13/1969	Gordon, et al.	
	A4	US-3,649,509	03/14/1972	Morawetz, et al.	
	A5	US-3,727,620	04/17/1973	Orr	
	A6	US-4,027,686	06/07/1977	Shortes, et al.	
	A7	US-4,065,374	12/27/1977	Asami, et al.	
	A8	US-4,092,176	05/30/1978	Kozai, et al.	
	A9	US-4,110,176	08/29/1978	Creutz, et al.	
	A10	US-4,113,492	09/12/1978	Sato, et al.	
	A11	US-4,120,759	10/17/1978	Asami, et al.	
	A12	US-4,129,480	12/12/1978	Robert	
	A13	US-4,326,940	04/27/1982	Eckles, et al.	
	A14	US-4,336,114	06/22/1982	Mayer, et al.	
	A15	US-4,376,685	03/15/1983	Watson	
	A16	US-4,405,416	09/20/1983	Raistrick, et al.	
	A17	US-4,428,815	01/31/1984	Powell, et al.	
	A18	US-4,489,740	12/25/1984	Rattan, et al.	
	A19	US-4,518,678	05/21/1985	Allen	
	A20	US-4,519,846	05/28/1985	Aigo	
	A21	US-4,693,805	09/15/1997	Quazi	
	A22	US-4,732,785	03/22/1988	Brecker- Brewer	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BIM	B1	99/54527 A2	10/28/1999	WO		
BIM	B2	99/26275	05/27/1999	WO		

Examiner

Date Considered

9/16/2004

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

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Application Number	09/614,407
Filing Date	July 12, 2002
First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK
Submission Date	April 29, 2004

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		Number-Kind Code ² (if known)			
BZM	A23	US-4,789,445	12/06/1988	Goffman, et al.	
	A24	US-4,869,971	09-26-1989	Nee, et al.	
	A25	US-5,055,425	10/08/1991	Leibovitz, et al.	
	A26	US-5,092,975	03/03/1992	Yamamura, et al.	
	A27	US-5,155,336	10/13/1992	Gronet, et al.	
	A28	US-5,162,260	11/10/1992	Leibovitz, et al.	
	A29	US-5,178,813	01/12/1993	Akatsu, et al.	
	A30	US-5,222,310	06/29/1993	Thompson, et al.	
	A31	US-5,224,504	07/06/1993	Thompson, et al.	
	A32	US-5,230,743	07/27/1993	Thompson, et al.	
V	A33	US-5,252,807	10/12/1993	Chizinsky	
	A34	US-5,259,407	11/09/1993	Tuchida, et al.	
	A35	US-5,290,361	03/01/1994	Hayashida, et al.	
	A36	US-5,302,256	04/12/1994	Miura, et al.	
	A37	US-5,316,974	05/31/1994	Crank	
	A38	US-5,328,589	07/12/1994	Martin	
	A39	US-5,349,978	09/27/1994	Sago, et al.	
	A40	US-5,368,711	11/29/1994	Poris	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BZM	B3	99/25904	05/27/1999	WO		
	B4	99/25903	05/27/1999	WO		
	B5	99/25902	05/27/1999	WO		
	B6	932 709	09/08/1955	DE	no translation	

Examiner

Brian R. Mutschler

Date Considered

9/16/2004

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3

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Application Number	09/614,407
Filing Date	July 12, 2002
First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK
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		Number-Kind Code ² (if known)			
BIM	A41	US-5,377,708	01/03/1995	Bergman, et al.	
	A42	US-5,415,890	05/16/1995	Kloiber, et al.	
	A43	US-5,447,615	09/05/1995	Ishida	
	A44	US-5,454,930	10/03/1995	Miura, et al.	
	A45	US-5,516,412	05/14/1996	Andricacos, et al.	
	A46	US-5,528,118	06/18/1996	Lee	
	A47	US-5,608,943	03/11/1997	Konishi, et al.	
	A48	US-5,625,170	04/29/1997	Poris	
	A49	US-5,651,865	07/29/1997	Sellers	
	A50	US-5,670,034	09/23/1997	Lowery	
	A51	US-5,705,223	01/06/1998	Bunkofske	
	A52	US-5,730,890	03/24/1998	Bickford, et al.	
	A53	US-5,838,121	11/17/1998	Fairbairn, et al.	
	A54	US-6,024,856	02/15/2000	Haydu, et al.	
	A55	US-6,071,388	06/06/2000	Uzoh	
	A56	US-6,093,291	7/25/2000 06/13/2000	Roid, et al. Izumi et al	
	A57	US-6,113,771	9/5/2000 07/25/2000	Izumi, et al. Landau et al	
	A58	US-6,133,061	10/17/2000 09/05/2000	Landau, et al. Sonoda	
	A59	US-6,162,344	12/19/2000	Reid, et al.	
	A60	US-6,174,425	01/16/2001	Simpson, et al.	
✓	A61	US-6,203,582	03/20/2001	Berner, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BIM	B7	6-17291	01/25/1994	JP		
BIM	B8	520 563 69	09/05/1977	JP		

Examiner

Brian L. Mutschler

Date Considered

9/16/2004

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4

5

Application Number	09/614,407
Filing Date	July 12, 2002
First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK
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U.S. PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
BUM	A62	US-6,254,760	07/03/2001	Shen, et al.	
	A63	US-6,261,433	07/17/2001	Landau	
	A64	US-6,261,733	7/17/2001	Kust, et al.	Coppens et al
	A65	US-6,267,853	07/31, 2001	Dordi, et al.	
	A66	US-6,040,688	01/22/2002	Lopatin, et al.	*
BUM	A67	US-6,344,419	02/05/2002	Forster, et al.	
	A68	US-6,350,366	02/26/2002	Landau, et al.	
	A69	US-6,391,166	05/21/2002	Wang	
	A70	US-6,395,101	05/28/2002	Scranton, et al.	
	A71	US-6,399,479	06/04/2002	Chen, et al.	
	A72	US-6,423,636	07/2002	Dordi, et al.	
	A73	US-6,432,832	08/13/2002	Miller, et al.	
	A74	US-6,551,484	04/22/2003	Hey, et al.	
	A75	US-6,551,488	04/22/2003	Hey, et al.	
	A76	US-6,565,729	05/20/2003	Chen, et al	
	A77	US-6,632,345	10/14/2003	Chen	
	A78	US-6,638,410	10/28/2003	Chen, et al	
	A79	US-09/614,407		Zheng, et al.	
	A80	US-09/569,833		Gandikota, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BUM	B9	443 108	11/22/1968	SU		
	B10	4-141395	05/06/1994	JP	no translation	
	B11	1 160 846	12/05/2001	EP		
	B12	01/90446	11/19/2001	WO		

Examiner

Brian L Mutschler

Date Considered

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* cited by Examiner in action mailed 6/11/2003

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**SUPPLEMENTAL
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STATEMENT BY APPLICANT**

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Sheet 5

5

Application Number	09/614,407
Filing Date	July 12, 2002
First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK
Submission Date	April 29, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
BLM		Olgado, <i>et al.</i> "Stable Cell Platform," filed 09/29/00; USSN 09/676,362	
		Dordi, <i>et al.</i> "Flow Diffuser to be Used in Electro-Chemical Plating System," filed 12/05/00; USSN 09/731,326	
		Olgado, "Linear Motion Apparatus and Associated Method," filed 10/16/00; USSN 09/684,500	
		Dordi, <i>et al.</i> "Method and Associated Apparatus for Tilting a Substrate Upon Entry for Metal Deposition," filed 10/03/00; USSN 09/678,947 (2601.P5)	
		Olgado, <i>et al.</i> "Multiple Blade Robot Adjustment Apparatus and Associated Method," filed 09/18/00; USSN 09/664,607 (2601.P3)	
		Olgado, "Removable Modular Cell for Electro-Chemical Plating," filed 09/15/00; USSN 09/663,814 (2601.P2)	
		Colombo, "Wafer Back Surface Film Removal," Central R&D, SGS-THOMSON Microelectronics, Agate Italy	
		International Search Report for PCT Application US01/15200 dated March 11, 2003. (AMAT/4582.PC)	

Examiner

Brian L Mutschler

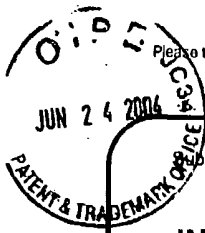
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		Filing Date	JULY 12, 2000
		First Named Inventor	ZHENG, ET AL.
		Group Art Unit	1753
		Examiner Name	BRIAN MUTSCHLER
		Attorney Docket Number	AMAT/4471.Y3/CMP/ECP/RKK
Submission Date	01/24/04		
Sheet 1	of 5		

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	A3	US 3,627,001	02/13/1969	GORDON, ET AL.	
	A4	US 3,649,509	03/14/1972	MORAWETZ, ET AL.	
	A5	US 3,727,020	04/17/1973	ORR	
	A6	US 4,027,000	06/07/1977	SHORTES, ET AL.	
	A7	US 4,065,374	12/27/1977	ASAMI, ET AL.	
	A8	US 4,092,170	05/30/1978	KOZAI, ET AL.	
	A9	US 4,110,170	08/29/1978	CREUTZ, ET AL.	
	A10	US 4,113,492	09/12/1978	SATO, ET AL.	
	A11	US 4,120,750	10/17/1978	ASAMI, ET AL.	
	A12	US 4,129,480	12/12/1978	ROBERT	
	A13	US 4,320,340	04/27/1982	ECKLES, ET AL.	
	A14	US 4,330,114	06/22/1982	MAYER, ET AL.	
	A15	US 4,370,005	03/15/1983	WATSON	
	A16	US 4,405,415	09/20/1983	RAISTRICK, ET AL.	
	A17	US 4,420,015	01/31/1984	POWELL, ET AL.	
	A18	US 4,480,740	12/25/1984	RATTAN, ET AL.	
	A19	US 4,510,070	05/21/1985	ALLEN	
	A20	US 4,549,046	05/28/1985	AIGO	
	A21	US 4,600,005	09/15/1997	QUAZI	
	A22	US 4,732,705	03/23/1988	BRESER	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	WO 99/34527 *	10/28/1999	APPLIED MATERIALS, INC.		
	B2	WO 99/26275	05/27/1999	NOVELLUS SYSTEMS, INC.		
	B3	WO 99/23364	05/27/1999	NOVELLUS SYSTEMS, INC.		

Examiner <u>Brian L Mutschler</u>	Date Considered <u>9/16/2004</u>
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* duplicate reference (20040503)

20040624

Substitute for form 1449A/PTO

JUN 24 2004

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 5

Application Number	09/614,407
Filing Date	JULY 12, 2000
First Named Inventor	ZHENG, ET AL.
Group Art Unit	1753
Examiner Name	BRIAN MUTSCHLER
Attorney Docket Number	AMAT/4471.Y3/CMP/ECR/RKK
Submission Date	6/24/04

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A23	US-4,789,445	12/06/1988	GOFFMAN, ET AL.	
	A24	US-4,869,971	09-26-1989	NEE, ET AL.	
	A25	US-5,055,425	10/08/1991	LEIBOVITZ, ET AL.	
	A26	US-5,092,975	03/03/1992	YAMAMURA, ET AL.	
	A27	US-5,165,986	10/13/1992	GRONET, ET AL.	
	A28	US-5,162,200	11/10/1992	LEIBOVITZ, ET AL.	
	A29	US-5,170,813	01/12/1993	AKATSU, ET AL.	
	A30	US-5,222,310	06/29/1993	THOMPSON, ET AL.	
	A31	US-5,224,304	07/06/1993	THOMPSON, ET AL.	
	A32	US-5,290,743	07/27/1993	THOMPSON, ET AL.	
	A33	US-5,252,007	10/12/1993	CHIZINSKY	
	A34	US-5,260,407	11/09/1993	TUCHIDA, ET AL.	
	A35	US-5,280,361	03/01/1994	HAYASHIDA, ET AL.	
	A36	US-5,302,255	04/12/1994	MIURA, ET AL.	
	A37	US-5,318,974	05/31/1994	CRANK	
	A38	US-5,320,389	07/12/1994	MARTIN	
	A39	US-5,340,078	09/27/1994	SAGO, ET AL.	
	A40	US-5,300,711	11/20/1994	PORIS	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B4	WG 99/25903	05/27/1999	NOVELLUS SYSTEMS, INC.		
	B5	WG 99/25902	05/27/1999	NOVELLUS SYSTEMS, INC.		
	B6	DE 932 709 W/ENG. ABSTRACT	09/08/1995	W KAMPSCHULTE & CIE SOLINGEN		
BUM	B7	JP 61-7291 W/ENG. ABSTRACT	01/13/1986	MITSUBISHI KASEI KOGYO KK		
	B8	JP 62-58389 W/ENG. ABSTRACT	06/09/1977	SHIOSHIMA MASARU, MUTOU HACHIROU		
	B9	SU 443108 NO ENG. ABSTRACT	08/16/1974	UNKNOWN		

Examiner

Brian L Mutschler

Date Considered

9/16/2004

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* duplicate reference (20040503)

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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3

of 5

Application Number

09/614,407

Filing Date

JULY 12, 2000

First Named Inventor

ZHENG, ET AL.

Group Art Unit

1753

Examiner Name

BRIAN MUTSCHLER

Attorney Docket Number

AMAT/4471.Y3/CMP/ECR/RKK

Submission Date

6/24/04

U.S. PATENT DOCUMENTS

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	A41	US-5,377,700 *	01/03/1995	BERGMAN, ET AL.	
	A42	US-5,415,890	03/16/1995	KLOIBER, ET AL.	
	A43	US-5,447,015	09/05/1995	ISHIDA	
	A44	US-5,454,930	10/03/1995	MIURA, ET AL.	
	A45	US-5,510,412	05/14/1996	ANDRICACOS, ET AL.	
	A46	US-5,520,110	06/18/1996	LEE	
	A47	US-5,600,943	03/11/1997	KONISHI, ET AL.	
	A48	US-5,625,170	04/29/1997	PORIS	
	A49	US-5,651,805	07/29/1997	SELLERS	
	A50	US-5,670,034	09/23/1997	LOWERY	
	A51	US-5,705,223	01/06/1998	BUNKOFSKE	
	A52	US-5,730,890	03/24/1998	BICKFORD, ET AL.	
	A53	US-5,838,121	11/17/1998	FAIRBAIRN, ET AL.	
	A54	US-6,024,850	02/15/2000	HAYDU, ET AL.	
	A55	US-6,071,388	06/06/2000	UZOH	
	A56	US-6,083,204	06/13/2000	REID, ET AL.	
	A57	US-6,113,774	07/25/2000	IZUMI, ET AL.	
	A58	US-6,133,064	09/05/2000	LANDAU, ET AL.	
	A59	US-6,162,344	12/19/2000	REID, ET AL.	
	A60	US-6,174,425	01/16/2001	SIMPSON, ET AL.	
	A61	US-6,203,582	03/20/2001	BERNER, ET AL.	
	A62	US-6,254,700	07/03/2001	SHEN, ET AL.	
	A63	US-6,260,220 **	07/10/2001	DORDI, ET AL.	
	A64	US-6,261,433 *	07/17/2001	LANDAU	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B10	JP-4-141995 WENG, ABSTRACT *	05/14/1992	SHOJI KATSUYUKI		

Examiner

Brian L Mutschler

Date Considered

9/16/2004

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* duplicate reference (20040503)
** (20021015)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4

of 5

Application Number	09/614,407
Filing Date	JULY 12, 2000
First Named Inventor	ZHENG, ET AL.
Group Art Unit	1753
Examiner Name	BRIAN MUTSCHLER
Attorney Docket Number	AMAT/4471.Y3/CMP/ECR/RKK
Submission Date	6/24/04

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A65	US-6,261,733 *	05/08/2001	KUST, ET AL.	
	A66	US-6,287,853	07/31, 2001	DORDI, ET AL.	
	A67	US-6,340,693	01/22/2002	LOPATIN, ET AL.	
	A68	US-6,344,419	02/05/2002	FORSTER, ET AL.	
	A69	US-6,350,366	02/26/2002	LANDAU, ET AL.	
	A70	US-6,391,160	05/21/2002	WANG	
	A71	US-6,395,101	05/28/2002	SCRANTON, ET AL.	
	A72	US-6,399,479	06/04/2002	CHEN, ET AL.	
	A73	US-6,423,636	07/23/2002	DORDI, ET AL.	
	A74	US-6,432,824 **	08/13/2002	DUBIN, ET AL.	
	A75	US-6,432,832 *	08/13/2002	MILLER, ET AL.	
	A76	US-6,440,291 **	08/27/2002	HENRI, ET AL.	
	A77	US-6,551,484 *	04/22/2003	HEY, ET AL.	
	A78	US-6,551,488	04/22/2003	HEY, ET AL.	
BLM	A79	US-6,557,237	05/06/2003	OLGADO	
	A80	US-6,565,729 *	06/20/2003	CHEN, ET AL.	
BLM	A81	US-6,571,657	06/03/2003	OLGADO, ET AL.	
BLM	A82	US-6,582,578	06/24/2003	DORDI, ET AL.	
BLM	A83	US-6,585,876	07/01/2003	DORDI, ET AL.	
	A84	US-6,682,945 *	10/14/2003	CHEN	
	A85	US-6,658,410 *	10/28/2003	CHEN, ET AL.	
BLM	A86	US-6,662,673	12/16/2003	OLGADO	
	A87	US-2001-0015324 **	08/23/2001	REID, ET AL.	
BLM	A85	US-2002-0011415	01/31/2002	HEY, ET AL.	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B11	EP-1-160-946 *	12/03/2001	APPLIED MATERIALS, INC.		
	B12	WO-01/790446 *	11/19/2001	APPLIED MATERIALS, INC.		

Examiner

Brian L. Mutschler

Date Considered

9/16/2004

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* duplicate reference (2004 0503)

** 892 (paper #20)
20030611

20040624

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PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

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Substitute for form 1449B/PTO		JUN 24 2004		Application Number		09/614,407	
				Filing Date		JULY 12, 2000	
				First Named Inventor		ZHENG, ET AL.	
				Group Art Unit		1753	
				Examiner Name		BRIAN MUTSCHLER	
				Attorney Docket Number		AMAT/4471.Y3/CMP/ECR/RKK	
Sheet 5		of 5		Submission Date		6/24/04	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		OLGADO, ET AL., Application Entitled "Stable Cell Platform," filed September 29, 2000; U.S. Serial No. 09/676,362 (AMAT/2601.P4). *	
		GANDIKOTA, ET AL., Application Entitled "Electrochemical Deposition for High Aspect Ratio Structures Using Electrical Pulse Modulation", filed May 11, 2000, U.S. Serial No. 09/569,833 (AMAT/3864). **	
		PCT Search Report for PCT/US01/15200 dated March 11, 2003 (AMAT/4582.PC) *	
		COLOMBO, "Wafer Back Surface Film Removal," Central R&D, SGS-THOMSON Microelectronics, Agate Italy *	
<div>RECEIVED</div> <div>JUL 01 2004</div> <div>TC 1700</div>			

Examiner <i>Brian Mutschler</i>	Date Considered <i>9/16/2004</i>
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